

Figure 1A

ATGTCGAAAA	TTGAACTAAA	ACAACATATCT	TTTGCCTATG	ATAATCAAGA	AGTATTGCTT	60
TTTGATCAGG	CAAATATCAC	GATGATACC	AATTGGAAT	TAGGATTGAT	TGGCCGCAAT	120
GGCCGTGGGA	AAACAACCTT	ATTAAGATTG	TTACAAAAAC	AGTTGGATTA	CCAAGGAGAG	180
ATTCTTCATC	AAGTCGATTT	CGTCTATTTT	CCACAAACAG	TTCAGAGA	ACAACAGCTC	240
ACTTATTATG	TCTTACAAGA	GCTGACTTCT	TTTGAACAGT	GGGAATTAGA	ACGAGAAATTA	300
ACGCTTTTAA	ACGTTTGATCC	TGAAAGTTTTA	TGGCGGCCCT	TTTCTTCTTT	ATCAGGGCGC	360
GAAAAGACGA	AAGTTTTTATT	AGGTCTTCTT	TTTATTGAAG	AAAAATGCCCT	TCCTTTAATT	420
GACGAGCCAA	CAAATCATTT	AGATCTAGCT	GGCAGACAAAC	AGTGGCTGA	ATATTTGAAG	480
AAAAAGAAAC	ACGGGTTTTAT	TTTATGTCAGC	CACGATCGGG	CATTGTGTTGA	TGAAGTGGTT	540
GATCATATTT	TGGCGATTGA	AAAAAGTCAA	TTGACGCTGT	ATCAAGGGAA	TTTTTCTATT	600
TATGAAGAGC	AAAAAAAATT	AAGAGATGCT	TTTGAACTAG	CAGAAAATGA	AAAAATCAAA	660
AAAGAACTCA	ATCGCTTGAA	AGAAACCGCT	CGTAAAAAAG	CGGAATGGTC	GATGAACCGT	720
GAAGGTGATA	AGTACGGCAA	CGCTAAGGAA	AAAGGGAGCG	GGGCGATTTT	TGATACAGGA	780
GCCATTGGTG	CCCGGGCAGC	GGCGGTAATG	AAGCGCTCGA	AACACATTCA	ACAACGGGCC	840
GAAACACAAT	TAGCAGAAAA	AGAAAAACTA	TTAAAAGATC	TTGAGTATAT	TGATCCTTTG	900
TCAATTGGATT	ATCAGCCCAAC	GCATCACAAA	ACATTATTGA	CGGTGGAAGA	GCTTCGTCTIA	960

Figure 1B

GGCTACGAGA	AAAATTGGCT	ATTTCGCCA	CTTTCITTTT	CAATAAACGC	GGGAGAAAT	1020
GTTGGAATAA	CAGGGAAAAA	TGGCTCAGGA	AAATCGAGCT	TAATTCAGTA	TTTATTGGAT	1080
AATTTTTCG	GGGATTCAGA	AGGCGAAGCC	ACTTTGGCTC	ACCAATTAAAC	CATTTCTTAT	1140
GTGCGCCAAG	ATTATGAAGA	CAATCAAGGA	ACTTTATCCG	AATTTCGAGA	GAAAAATCAG	1200
TTAGATTACA	CTCAATTTT	AAATAACTTA	CGAAAACTTG	GGATGGAGCG	CGCCGTTTTC	1260
ACTAATCGAA	TTGAACAAAT	GAGTATGGGG	CAACGGAAAA	AAGTCGAAGT	AGCCAAATCA	1320
TTTGTCTCAAT	CAGCTGAACT	TTATATTITGG	GATGAACCCC	TTAATTACTT	GGATGTATTT	1380
AATCATCAAC	AATTAGAAGC	GCTAATCTTA	TCTGTGAAGC	CTGCAATGCT	AGTGATTGAG	1440
CATGATGCAC	ATTTCATGAA	GAANAATAACA	GATAAAAAAA	TTGTCTTGAA	<u>ATCATAA</u>	1497

Figure 2A

MetSerLysIleGluLeuLysGlnLeuSerPheAlaTyrAspAsnGlnGluValLeuLeu 20
 PheAspGlnAlaAsnIleThrMetAspThrAsnTrpLysLeuGlyLeuIleGlyArgAsn 40
GlyArgGlyLysThrThrLeuLeuArgLeuLeuGlnLysGlnLeuAspTyrGlnGlyGlu 60
 IleLeuHisGlnValAspPheValTyrPheProGlnThrValAlaGluGluGlnGlnLeu 80
 ThrTyrTyrValLeuGlnGluValThrSerPheGluGlnTrpGluLeuGluArgGluLeu 100
 ThrLeuLeuAsnValAspProGluValLeuTrpArgProPheSerSerLeuSerGlyGly 120
.....
 GluLysThrLysValLeuLeuGlyLeuLeuPheIleGluGluAsnAlaPheProLeuIle 140
AspGluProThrAsnHisLeuAspLeuAlaGlyArgGlnGlnValAlaGluTyrLeuLys 160
 LysLysLysHisGlyPheIleLeuValSerHisAspArgAlaPheValAspGluValVal 180
 AspHisIleLeuAlaIleGluLysSerGlnLeuThrLeuTyrGlnGlyAsnPheSerIle 200
 TyrGluGluGlnLysLysLeuArgAspAlaPheGluLeuAlaGluAsnGluLysIleLys 220
 LysGluValAsnArgLeuLysGluThrAlaArgLysLysAlaGluTrpSerMetAsnArg 240
 GluGlyAspLysTyrGlyAsnAlaLysGluLysGlySerGlyAlaIlePheAspThrGly 260
 AlaIleGlyAlaArgAlaAlaArgValMetLysArgSerLysHisIleGlnGlnArgAla 280
 GluThrGlnLeuAlaGluLysGluLysLeuLeuLysAspLeuGluTyrIleAspProLeu 300
 SerMetAspTyrGlnProThrHisHisLysThrLeuLeuThrValGluGluLeuArgLeu 320

Figure 2B

GlyTyrGluLysAsnTrpLeuPheAlaProLeuSerPheSerIleAsnAlaGlyGluIle 340
ValGlyIleThrGlyLysAsnGlySerGlyLysSerSerLeuIleGlnTyrLeuLeuAsp 360
AsnPheSerGlyAspSerGluGlyGluAlaThrLeuAlaHisGlnLeuThrIleSerTyr 380
ValArgGlnAspTyrGluAspAsnGlnGlyThrLeuSerGluPheAlaGluLysAsnGln 400
LeuAspTyrThrGlnPheLeuAsnAsnLeuArgLysLeuGlyMetGluArgAlaValPhe 420
ThrAsnArgIleGluGlnMetSerMetGlyGlnArgLysLysValGluValAlaLysSer 440
LeuSerGlnSerAlaGluLeuTyrIleTrpAspGluProLeuAsnTyrLeuAspValPhe 460
AsnHisGlnGlnLeuGluAlaLeuIleLeuSerValLysProAlaMetLeuValIleGlu 480
HisAspAlaHisPheMetLysLysIleThrAspLysLysIleValLeuLysSer 498

Figure 3A

ATGAAAGAGA TCCTAACATT AACAAACGTT AGCTATGAAG TAAAGGATCA AACTGTTTTT 60
 AAAACATGTAA ACCCAGTGT TCAGCAAGGA GATATCATTG GGATTATCG CAAAAACGGC 120
 GCTGGGAAT CTACGTTGCT GCACCTCATT CACAATGACT TAGCCCTGC ACAGGTCAA 180
 ATCCTTCGGA AGGATATAAA ACTGGCTTTG GTTGAAACAGG AAACCGCGC GTATTCTTT 240
 GCGGATCAGA CACCTGCCGA AAAGAAGTTA CTGGAGAAAT GGCATGTGCC TCTTGTGAT 300
 TTTTCATCAGT TAAAGCGCGG TGAATAACTG AAAGCGCGC TGGCGAAAGG ACTATCAGAG 360
 GATGCAGATC TGCTGCTGTT AGATGAACCG ACAAAACCAC TTGATGAAAA AAGCTTGCAA 420
 TTTTCTATCC AACAGCTGAA ACATTATAAC GGCACGTGTA TTCTCGTTTC TCACGATCGA 480
 TATTTTTTAG ACGAAGCCGC AACAAAAATA TGGTCGCTTG AGGATCAGAC GCTGATTGAA 540
 TTCAAAGGA ATTACTCCG GTATATGAAG TTCGGGAGA AGAAAAAGACT CACCCAGCAG 600
 CGTGAATATG AAAAGCAGCA AAAAATGGTT GAACGGATTG AAGCACAAT GAATGGGCTC 660
 GCTTCTTGGT CGGAAAAAGC CCATGCTCAA TCGACGAAAA AGGAAGGGTT TAAAGAATAT 720
 CACCGGTTAA AAGCAAGCG TACGGATGCC CAGATAAAT CCAAGCAGAA GCGGCTTGAA 780
 AAAGAGCTTG AAAAAGCAA GCGGAACCC GTTACCCCG AGATATACGT CCGCTTTTCA 840
 ATCGATACAA CCCACAAAC AGGAAAACGT TTTTITAGAAG TTCAGAATGT AACAAAAGCG 900
 TTTTGAGAAA GGACTCTCTT TAAAAACGCA AACTTTACAA TTCAGCACGG CGAAAAGGTT 960

Figure 3B

GGCATCATAG	GCCCCAATGG	CAGCGGAAAA	ACGACATTAC	TGAACATCAT	TCTGGGACAG	1020
GAAACAGCAG	AAGGAAGTGT	ATGGGTGTCG	CCGTCCGCAA	ACATCGGCTA	TTTAAACGAG	1080
GAGGTGTTTG	ATTTGCCCTTT	AGAACAAACA	COGGAAGAGT	TATTTGAGAA	TGAAACATTTC	1140
AAAGCAAGGG	GGCACGTTCA	AAATCTGATG	AGGCACCTTAG	GTTTTACAGC	CGCCCAATGG	1200
ACTGAACCGA	TCAAGCATPAT	GAGTATGGGT	GAGCGTGTTAA	AGATCAAGCT	GATGGCATAT	1260
ATTCTGGAGG	AAAAAGACGT	GCTGATTTTA	GATGAGCCGA	CAAAACCATCT	CGACCTGCCG	1320
TCACGCGAAC	AGCTGGAAGA	AACACTGTCA	CAATACAGCG	GCACATTGCT	GGCGGTTTCA	1380
CATGACCGAT	ACTTTCTCGA	AAAAACAACA	AACAGTAAAC	TCGTCATCTC	AAACAACGGC	1440
ATCGAAAAGC	AGTTAAAACGA	CGTTCCTTCA	GAAAGAAATG	ACGGGGAGGA	GCTTCGGTTA	1500
AAGCTTGAGA	CAGAAAGACA	AGAAAGTGCTG	GGAAAAGCTCA	GTTTATGAC	GCCAAATGAT	1560
AAAGGGTATA	AGGAGCTTGA	TCAGGCTTTC	AATGAGCTTA	CGAAACGAAT	AAAAGAGCTG	1620
GATCATCAAG	ACAAAAAAGA	<u>CTGA</u>				1644

Figure 4A

MetLysGluIleValThrLeuThrAsnValSerTyrGluValLysAspGlnThrValPhe 20
 LysHisValAsnAlaSerValGlnGlnGlyAspIleIleGlyIleIleGlyLysAsnGly 40
 AlaGlyLysSerThrLeuLeuHisLeuIleHisAsnAspLeuAlaProAlaGlnGlyGln 60
 IleLeuArgLysAspIleLysLeuAlaLeuValGluGlnGluThrAlaAlaTyrSerPhe 80
 AlaAspGlnThrProAlaGluLysLysLeuLeuGluLysTrpHisValProLeuArgAsp 100
 PheHisGlnLeuSerGlyGlyGluLysLeuLysAlaArgLeuAlaLysGlyLeuSerGlu 120
 AspAlaAspLeuLeuLeuAspGluProThrAsnHisLeuAspGluLysSerLeuGln 140
 PheLeuIleGlnGlnLeuLysHisTyrAsnGlyThrValIleLeuValSerHisAspArg 160
 TyrPheLeuAspGluAlaAlaThrLysIleTrpSerLeuGluAspGlnThrLeuIleGlu 180
 PheLysGlyAsnTyrSerGlyTyrMetLysPheArgGluLysLysArgLeuThrGlnGln 200
 ArgGluTyrGluLysGlnGlnLysMetValGluArgIleGluAlaGlnMetAsnGlyLeu 220
 AlaSerTrpSerGluLysAlaHisAlaGlnSerThrLysLysGluGlyPheLysGluTyr 240
 HisArgValLysAlaLysArgThrAspAlaGlnIleLysSerLysGlnLysArgLeuGlu 260
 LysGluLeuGluLysAlaLysAlaGluProValThrProGluTyrThrValArgPheSer 280
 IleAspThrThrHisLysThrGlyLysArgPheLeuGluValGlnAsnValThrLysAla 300
 PheGlyGluArgThrLeuPheLysAsnAlaAsnPheThrIleGlnHisGlyGluLysVal 320

Figure 4B

AlaIleIleGlyProAsnGlySerGlyLysThrThrLeuLeuAsnIleIleLeuGlyGln 340
 GluThrAlaGluGlySerValTrpValSerProSerAlaAsnIleGlyTyrLeuThrGln 360
 GluValPheAspLeuProLeuGluGlnThrProGluGluLeuPheGluAsnGluThrPhe 380
 LysAlaArgGlyHisValGlnAsnLeuMetArgHisLeuGlyPheThrAlaAlaGlnTrp 400
 ThrGluProIleLysHisMetSerMetGlyGluArgValLysIleLysLeuMetAlaTyr 420
 IleLeuGluGluLysAspValLeuIleLeuAspGluProThrAsnHisLeuAspLeuPro 440
 SerArgGluGlnLeuGluGluThrLeuSerGlnTyrSerGlyThrLeuLeuAlaValSer 460
 HisAspArgTyrPheLeuGluLysThrThrAsnSerLysLeuValIleSerAsnAsnGly 480
 IleGluLysGlnLeuAsnAspValProSerGluArgAsnGluArgGluGluLeuArgLeu 500
 LysLeuGluThrGluArgGlnGluValLeuGlyLysLeuSerPheMetThrProAsnAsp 520
 LysGlyTyrLysGluLeuAspGlnAlaPheAsnGluLeuThrLysArgIleLysGluLeu 540
 AspHisGlnAspLysLysAsp 547